

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

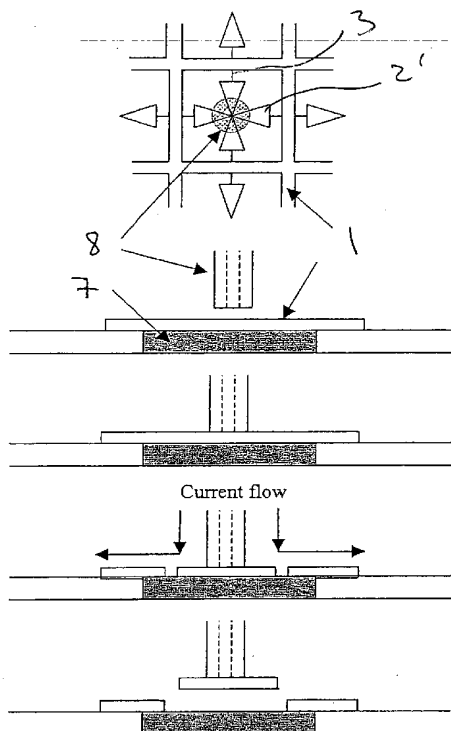
PCT

(10) International Publication Number
WO 2005/093790 A3

- (51) International Patent Classification⁷: **H01L 21/78**, (74) Agent: **VLECK, Jan, Montagu**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).
- (21) International Application Number: PCT/GB2005/001178
- (22) International Filing Date: 24 March 2005 (24.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0406639.5 24 March 2004 (24.03.2004) GB
- (71) Applicant (for all designated States except US): **E2V TECHNOLOGIES (UK) LIMITED** [GB/GB]; 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FOULGER, Robert, James** [GB/GB]; c/o E2V Technologies (UK) Limited, 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU (GB). **BUTLER, Richard, Michael** [GB/GB]; c/o E2V Technologies (UK) Limited, 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD OF, AND APPARATUS FOR MANUFACTURING SEMICONDUCTOR ELEMENTS



(57) Abstract: A method of separating individual elements (2') (e.g. conducting performs or Gunn diodes) from an array of such elements comprises the application of energy (e.g. electric current) via a pick-up tool (8) to melt tabs (3) which hold the element (2') to a supporting structure (1).



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

13 April 2006